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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/616,910	07/11/2003	Kazuyuki Endoh	101154-00013	2441

7590 11/02/2004

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EXAMINER

STONE, JENNIFER A

ART UNIT PAPER NUMBER

2636

DATE MAILED: 11/02/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/616,910	<b>Applicant(s)</b> ENDO, KAZUYUKI	
	<b>Examiner</b> Jennifer A Stone	<b>Art Unit</b> 2636	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 July 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
     Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
     Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |  |
|---|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date ____ | 6) <input type="checkbox"/> Other: ____  |

***Drawings***

1. The drawings are objected to under 37 CFR 1.83(a) because they fail to show text labeling (Figure 2 – text label item 43 and/or 45; Figure 3 – text label all empty boxes; Fig. 7, items 42 and/or 43, and 47) as described in the specification. Any structural detail that is essential for a proper understanding of the disclosed invention should be shown in the drawing. MPEP § 608.02(d).
2. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference characters "43" and "48" have both been used to designate the mileage display or window. In addition, reference characters "42" and "43" have both been used to designate the meter or display.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement-drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as "amended." If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will

be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3 are rejected under 35 U.S.C. 102(b) as being anticipated by Baatz et al. (U.S. 4,706,083).

For claim 1, Baatz discloses a fuel mileage meter for a vehicle, comprising: a fuel mileage display for displaying a rate of fuel consumption of the vehicle (col 2, Ins 57-59; col 3, Ins 62-68; col 4, Ins 1 and 2); and a control unit for controlling (col 4, Ins 32-38; Fig. 1, items 40 and 60), based on a distance traveled (col 3, Ins 62-64) and an amount of fuel consumed after a speed of the vehicle exceeds a predetermined threshold (col 5, Ins 21-28 and 32-39; Fig. 2, items 104, 106, 116, and 122) display of the fuel consumption rate on the fuel mileage display.

For claim 2, the control unit comprises a traveled distance calculator for calculating a distance traveled (col 3, Ins 62-64; col 4, Ins 23-31; Fig. 2, item 18 and 122) after the vehicle speed exceeds the predetermined threshold, a consumed fuel amount calculator for calculating an amount of fuel consumed after the vehicle speed exceeds the predetermined threshold (col 2, Ins 57-63), and a fuel mileage calculator for

calculating a fuel mileage based on the traveled distance and the consumed fuel (col 5, Ins 35-41) amount.

For claim 3, Baatz discloses a fuel mileage display provided at a meter indicator portion (col 3, Ins 66-68; Figure 1, items 80 and 90).

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure:

Droge (U.S. 6,086,511) discloses a fuel consumption device where one or more threshold values are set for each gear speed of a transmission.

Murphy et al. (U.S. 6,571,168) discloses a fuel consumption system based on distance and speed that exceeds a predetermined threshold value.

Jenkins et al. (U.S. 6,253,129) discloses a fuel consumption device based on traveled distance and excessive engine speed.

Ehlbeck et al. (U.S. 6,092,021) discloses a fuel consumption system based on the speed of the vehicle.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jennifer A. Stone whose telephone number is (571) 272.2976. The examiner can normally be reached 8:00-4:30, M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Jeffery Hofsass can be reached at (571) 272.2981. The fax phone

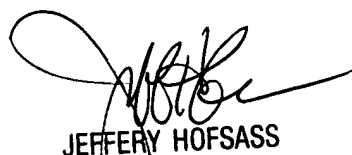
Art Unit: 2636

number for the organization where this application or proceeding is assigned is (703)

872.9306 for regular and after final communications.

Any inquiry of a general nature of relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (571) 272.2600.

Jennifer Stone  
October 25, 2004



JEFFERY HOFSSASS  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2600